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Atlas Schmidt
Verzeichniss
Fr. Fricke



*Herrn Prof. S. Grün
hochachtungsvoll
und mit herzlichem Grüßen
Friedr. Fricke*

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Verzeichnis

der in

A. Schmidt's

Atlas der Diatomaceenkunde

Tafel 1—240

(Serie I—V)

abgebildeten und benannten Formen.

Herausgegeben

von

Dr. phil. Friedr. Fricke.

Leipzig.

O. R. Reisland.

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Vorwort.

Schon längst wurde mir gegenüber der Wunsch nach einem neuen Verzeichnis der in A. Schmidt's Atlas der Diatomaceenkunde veröffentlichten Formen geäußert. Ein solches Verzeichnis ist in der Tat nötig geworden wegen der mit dem Anwachsen des Atlases zunehmenden Unübersichtlichkeit und vor allen Dingen wegen des seit der Herausgabe des alten Verzeichnisses erfolgten Erscheinens der Werke von Cleve, Rattray, De-Toni u. a. Dieselben sind nach Möglichkeit berücksichtigt worden.

Das Verzeichnis soll zwei Anforderungen genügen. Es dient mit seiner Tabelle II zur Auffindung einer gesuchten Form. Umgekehrt führen die zu den Tafeln des Atlases gehörigen Erläuterungen mittelst der in Tabelle II enthaltenen Hinweise auf den Namen der Abbildung; in Fällen, in denen ein Hinweis nicht anzubringen war, wie bei vielen in den letzten Jahren neu benannten Arten und Varietäten, gibt Tabelle I Auskunft.

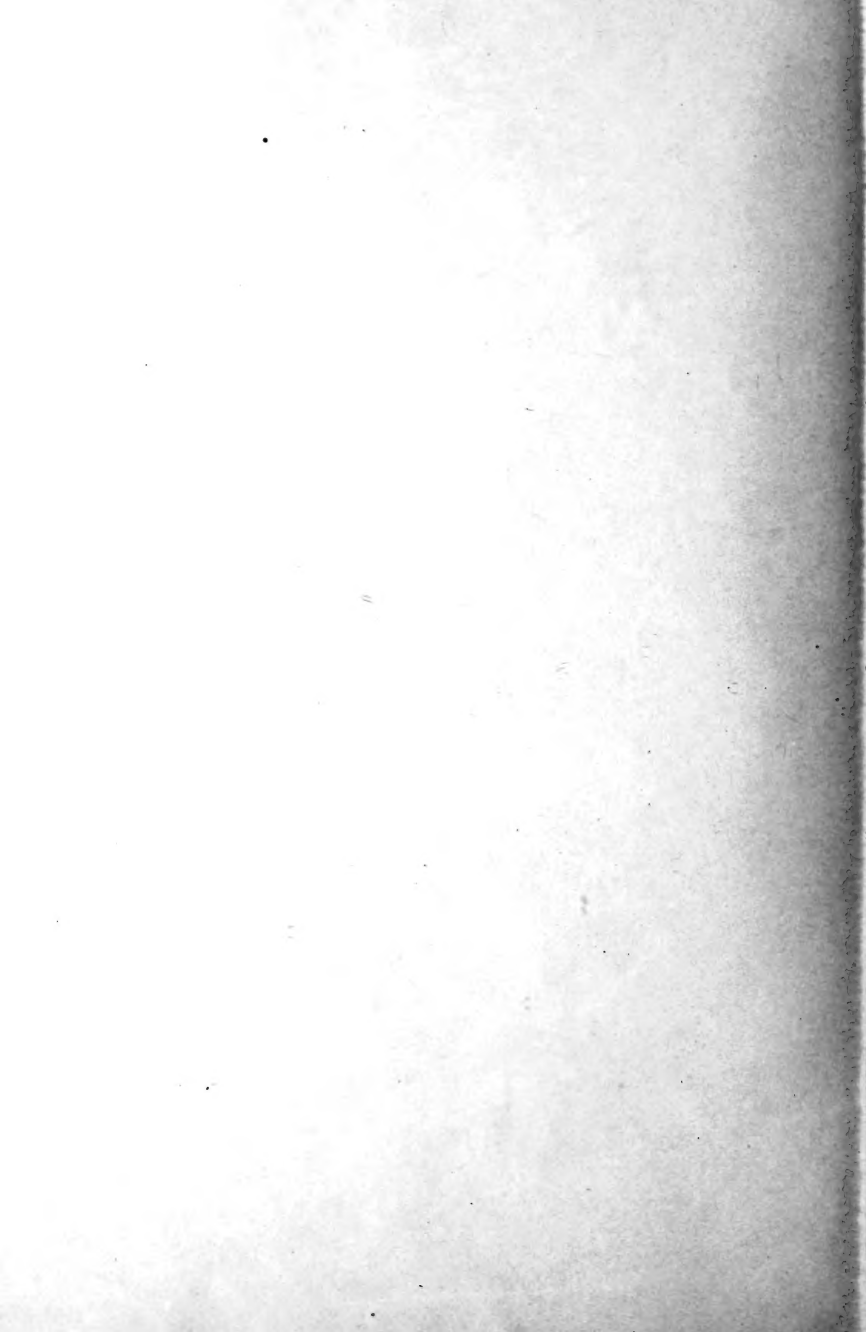
Die Zukunft des Atlases selbst betreffend, möge hier folgende Bemerkung Platz finden. Herr Dr. H. Heiden in Rostock hat sich liebenswürdigerweise zur Mitarbeit bereit erklärt. Dadurch werden hoffentlich die Lieferungen einander etwas schneller folgen können, als das in den letzten Jahren trotz guten Willens möglich war. Allerdings ist nicht daran zu denken, dass die schnelle Aufeinanderfolge wieder erreicht wird, welche der Begründer des Atlases innehalten konnte. Das liegt in der Natur der Sache. Als der verstorbene Herr Dr. A. Schmidt im Jahre 1874 das erste Heft veröffentlichte, verfügte er bereits über 9000 Zeichnungen; im Verhältnis zu dieser Zahl leben wir von der Hand in den Mund. Die von der Beschaffung des Materials bis zur Fertigstellung der Zeichnung erforderlichen Arbeiten kosten viel Zeit, weit mehr Zeit, als gewöhnlich geglaubt wird.

Seit dem Erscheinen der ersten Lieferung haben eine Reihe von Freunden des Atlases demselben viel Zeit und Mühe geopfert. Es ist mir als später hinzugekommenen Herausgeber nicht möglich, ihre Namen aufzuzählen, da ich sie nur zum Teil in Erfahrung bringen konnte. Aber dem Andenken des verstorbenen Begründers des Werkes bin ich es schuldig, allen herzlich zu danken, welche ihr Interesse für den Atlas bewiesen haben. Ich persönlich bin zu grösstem Danke verpflichtet den Herren Prof. J. Brun in Genf, Prof. P. T. Cleve in Upsala, Dr. H. Gründler in Dresden und H. Reichelt in Leipzig, die mir jeder Zeit in bereitwilligster Weise mit Rat und Tat zur Seite standen.

Bremen, 1. September 1902.

Friedr. Fricke.

AUG 7 1923



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Farcimen Grun.	27, 56. 57. = A. Oculus v. Farc. A. S.	
flexuosa Grev.	25, 62?	
formosa Cl.	28, 34. 39, 1. 2.	
fusca A. S.	27, 68. = A. gigantea v. fusca A. S.	
gibba A. S.	39, 32.	
gigantea Grun.	27, 46.	
— f. minor	40, 28. 29.	
— v. fusca A. S.	27, 68.	
— v. obscura Cl.	28, 20.	
globulosa Schum.	26, 100. = A. perpusilla Grun.	
gracilis E.	26, 97? 101. = A. ovalis v. grac. E.	
Graeffei Grun. u. Var.	25, 40. 42. 28, 5?	
granulata Greg.	27, 66?	
Grevilleana Greg.	25, 41. 43. 44. 45.	
— v. campechiana Grun.	25, 45. = A. Grev. Greg.	
— v. contracta Cl.	40, 33.	
— v. prominens Grun.	25, 43. 44. = A. Grev. Greg.	
Gruendleri Grun.	28, 24—27. 39, 25.	
humicola Grun.	26, 90—92. } = A. Normani Rbh.	
— v. javanica Grun.	26, 87—89. }	
hyalina K.	26, 52—55.	
A.? incerta A. S.	40, 1. = ? Auricula.	
inflata Grun.	25, 29. 30. = A. costata W. Sm.	
insecta Grun.	40, 2. 3. = Auricula insecta Grun.	
intersecta A. S.	25, 37. 38.	

Amphora.

Janischi A. S. u. Var.	25, 51—57. 40, 30—32.
javanica A. S.	27, 27. 30—33.
Jeschkei Jan.	39, 14.
kamorthensis Grun. f. minor	25, 81. cf. A. exsecta Grun.
laevis Greg.	26, 8—10. 39, 3?
— v. laevisissima Greg.	26, 3. 13. 14.
libyca E.	26, 102*—105. = A. ovalis v. lib. E.
limpida Jan.	39, 8. =? A. limbata Cl. & Grove
lineata Greg.	26, 82? 83? 84—86. 27, 15.
lineolata E.	26, 50. 51.
— v. chinensis A. S.	26, 41. 42.
litoralis Donk.	26, 15.
lyrata Greg.	25, 1? 2. 6? 7? = A. cuneata Cl.
macilenta Greg. v.	26, 60?
magellanica Pet.	25, 4.
marina (W. Sm.) V. H.	27, 14. 17. 18.
mexicana A. S.	27, 47—49.
micans A. S.	26, 18.
milesiana Greg.	39, 13?
minutissima W. Sm.	26, 99. = A. perpusilla Grun.
monilifera Greg.	26, 32? (Cl., Syn. II. pg. 122).
Muelleri A. S.	26, 31.
munda A. S.	40, 15. = Tropiconeis (Cl. II. pg. 141).
nana Greg. f. parva	26, 67. 68. =? A. marina (W. Sm.) V. H.
Naumanni Jan.	39, 19.
Normani Rbh. u. Var.	26, 72. 73. 87—92.
Novae Caledoniae Grun.	26, 16. 25. 39, 15—17. = A. ostrearia v. vitrea Cl.
oblonga Grev. v.	27, 8? = A. Proteus v. contigua Cl.
obtusa Greg. u. Var.	40, (4—7. 11. 13. 16. 17.)
— v. transfuga Cl.	40, 16. 17?
— v. typica Cl.	40, 4—7. 11—13.
obtusiuscula Grun.	25, 7. = Navicula (Cl., Syn. II. pg. 141).
ocellata v. cingulata Cl.	26, 17.
Oculus A. S.	27, 52. 40, 38.
— v. Farcimen (Grun.) A. S.	27, 56. 57.
ostrearia Bréb.	
— v. typica Cl.	26, 23.
— v. vitrea Cl.	26, 16. 25. 39, 15—17.
ovalis K.	26, 106—111. = A. ov. v. libyca E.
— v. gracilis E.	26, 101.
— v. libyca E.	26, 102*—111. 27, 4? 5? 28, 1?
— v. Pediculus K.	26, 102?
Ovum Cl.	26, 40.
Pediculus Grun.	26, 99. = A. perpusilla Grun.
pellucida Greg. v.	27, 11. 37? 65. cf. A. commutata Grun.
perpusilla Grun.	26, 99. 100.
plicata Greg.	26, 50? = A. lineolata E.
Porcellus Kitt.	39, 15—17. = A. ostrearia v. vitrea Cl.
Proteus Greg.	27, 2. 3. 5. 6. cf. A. ovalis v. lib. E.
— v. contigua Cl.	27, 7—9. 28, 4?
quadrata Bréb. v.	26, 5.
quadricostata Rbh. u. Var.	26, 74—80. = A. veneta K.
Reichardtiana Grun. u. Verw.	39, 33—35.
rhombica Kitt.	40, 39.
robusta Greg.	27, 39. 40. = A. arenicola v. major Cl.
salina W. Sm.	26, 81?

Amphora.

sarniensis Grev.	25, 80?
Schleinitzi Jan.	39, 9. 10. = A. Schmidtii v. Schleim. Jan.
Schmidtii Grun.	28, 2.
— f. major	28, 3.
— v. Schleinitzi Jan.	39, 9. 10.
spectabilis Greg. u. Var.	40, 18—23.
staurophora (Castr.) Cl.	25, 85. 86.
Studerii Jan.	39, 1. = A. formosa Cl.
subinflata Grun.	26, 48. 49. = Nav. complan. v. subinfl. Grun.
sulcata Bréb.	26, 46? 47? 27, 12. 13.
Terroris E.	25, 17—19. 33. 34. 36. 26, 33. 39, 18.
tetragibba Cl.	25, 78. 79.
truncata Greg. v.	28, 4. 5. cf. A. Prot. v. cont. Cl. u. A. Graeff. Grun.
turgida Greg.	25, 24. 25. 31.
veneta K.	27, 16? 26, 74—80.
Wachenhuseni Jan.	40, 38. = A. Oculus A. S.
Weinecki Jan.	39, 20.
Weissflogi A. S.	25, 58. 59. cf. A. exsecta Grun.
Wittsteini Jan.	39, 6. 7.
zebrina A. S.	25, 11. = A. angusta v. zebr. A. S.

Anaulus (E.) Grun.

mediterraneus Grun.	200, 22.
minutus Grun.	200, 23.

Anomoeoneis Pfitz.

biceps (E.)	49, 52. 53? = A. sphaerophora v. bic. (E.).
bohémica (E.) u. Verw.	49, 43—45. = A. polygramma (E.).
A.? brachysira (Bréb.)	71, 56—61.
polygramma (E.)	49, 43—45.
sculpta (E.)	49, 46—48.
sphaerophora (K.)	49, 49—51.
— v. biceps (E.)	49, 52. 53?

Anthodiscus Grove & Sturt.

floreatus Grove & Sturt.	163, 13.
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Aporodiscus Aut?

oamaruensis Rattr.	149, 22. = ? Rattrayella oam. (Grun.) De-Toni.
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Arachnoidiscus E.

barbadensis A. S.	68, 11.
Ehrenbergi Bail.	68, 1.
— v. californica A. S.	68, 3. 4. 73, 1.
— v. deficiens Grove	147, 2. 3.
— v. montereyana A. S.	68, 2.
— v. oamaruensis A. S.	147, 1.
Grevilleanus Hardm.	68, 5. 73, 3.
indicus E. u. Var.	68, 6—8. 9? 10? 73, 2. 147, 9? 201, 2—6.
ornatus E. u. Var.	73, 4—6. 10.
— v. montereyana A. S.	73, 7—9.

Asterolampra E.

aemulans Grev.	137, 13.
affinis Grev.	137, 4. 5. 17? cf. A. Grevillei Wall.
— v. punctifera Grove	202, 18.
Arachne Bréb.	137, 27.
Brightwelliana Grev.	137, 15.

Asterolampra E.

conciuna Grev.	137, 16.
Dallasiana Grev.	137, 18?
decorata Grev.	137, 10—12? cf. <i>A. vulgaris</i> Grev.
Grevillei (Wall.) Grev.	
— v. <i>adriatica</i> Grun.	137, 17? cf. <i>A. affinis</i> Grev.
insignis A. S.	137, 1—3.
marginata Grev.	137, 22.
marylandica E.	137, 19—21?
moronensis Grev.	38, 24.
Ralfsiana Grev.	137, 14.
Roperiana Grev.	38, 15.
Rylandsiana Grev.	137, 8. 9.
Shadboltiana Grev.	38, 17. 137, 26.
stellaris Br. & Tp.	202, 13.
vulgaris Grev. u. Var.	137, 10? 11. 12? 202, 14—16.

Asteromphalus E.

Arachne Bréb.	38, 3. 4.
Beaumonti E.	38, 6? 7?
Brookei Bail.	38, 9? 21—23.
Cleveanus Grun.	38, 13. 14. = <i>A. Wallichianus</i> Cl.
Darwini E.	38, 16.
elegans Grev.	38, 1. 2.
fiabellatus (Bréb.) Grev. u. Var.	38, 10—12.
Grevillei Wall.	137, 17? (<i>Asterolampra</i>).
Hookeri E.	38, 18—20.
Humboldti E.	38, 18—20. = <i>A. Hookeri</i> E.
— (v.) <i>Senectus</i> Tp. & Br.	202, 17.
moronensis (Grev.) Rattr.	38, 24. (<i>Asterolampra</i>).
Ralfsianus (Norm.) Grun. u. Var.	38, 5—8.
Roperianus (Grev.) Ralfs	38, 15. (<i>Asterolampra</i>).
Shadboltianus (Grev.) Ralfs	38, 17. 137, 26. (<i>Asterolampra</i>).
stellaris Tp. & Br.	202, 13. (<i>Asterolampra</i>).
Wallichianus Cl. (nec Grev.)	38, 13. 14.

Attheya West.

decora West	230, 20.
Zachariasi Brun	230, 17—19.

Aulacodiscus E.

affinis Grun.	34, 9. 10.
amoenus Grev. u. Var.	34, 6. 41, 13. 133, 4. 5? 6. 134, 7. 157, 6.
angulatus Grev.	34, 7. 8? 103, 2. 105, 7. 161, 4?
anthoides A. S.	103, 1.
archangelskianus Witt	101, 7—11.
Argus (E.) A. S.	107, 4.
asiaticus Brun	169, 2.
— v. <i>vallonea</i> Brun	169, 3. 4.
aucklandicus Grun.	41, 3.
barbadensis Ralfs	146, 5.
Beeveriae Johns.	36, 12.
Brightwelli Jan.	36, 8. 9. cf. <i>A. Kittoni</i> Arn.
Brownei Norm.	36, 15. 16. 105, 6.
Bruni A. S.	157, 5. 169, 11.
catenarius Witt	105, 2. cf. <i>A. margaritaceus</i> Ralfs.
Carruthersianus Kitt. & Grove	146, 1.
cellulosus Grove & Sturt	162, 5.

Aulacodiscus.

cellulosus v. plana Grove & Sturt	124, 2.
circumdatus A. S.	35, 5. = A. Petersi v. circumd. A. S.
Comberi Arn.	36, 11. 41, 11. 104, 5. cf. A. Muelleri Grun.
cornutus Brun	170, 2.
Crater Brun	158, 4. 5.
crucifer Shadb.	41, 4? = A. Petersi v. asperula Rattr.
Crux E.	33, 1-3. 124, 1. cf. A. margar. Ralfs.
— v. papulifera Brun	162, 6.
— v. subsquamosa Grun & Grove	157, 3. 4. 162, 4.
decorus Grev.	33, 9.
— v. Stoschi Jan.	34, 11.
Ehrenbergi Jan.	36, 3. 4. cf. A. Kittoni Arn.
elegans Grove & Sturt	146, 3. 4?
excavatus A. S.	36, 10.
exiguus Witt	101, 12.
formosus Arn.	35, 7. 8.
giganteus Tp. & Br.	162, 2. 170, 4.
— v. permagna Brun	170, 3.
Grunowi Cl.	107, 1. 2.
— v. subsquamosa Pant.	92, 1.
Huttoni Grove & Sturt	124, 6. 146, 8.
inflatus Grev. (u. Var.?)	35, 9. 92, 14.
invictus A. S.	170, 1.
Janischi Grove & Sturt	133, 2. 3. 169, 1.
— v. abrupta Grove & Sturt	146, 10?
Johnsoni Arn.	36, 1. 2. 41, 7-10. 104, 1. cf. A. Kittoni Arn.
juetlandicus Kitt.	41, 5.
Kinkeri A. S.	106, 4. 5. = A. margar. v. Kink. A. S.
Kittoni Arn. u. Verw.	36, 1-9. 46, 6-10. 104, 1. cf. A. Brightwelli Jan., A. Ehrenbergi Jan., A. Johnsoni Arn.
Klavseni A. S.	201, 8.
laevis Brightw.	36, 7. = A. Kittoni Arn.
Lahuseni Witt	101, 5. 6. cf. v. punctata Witt.
— v. marginata A. S.	101, 4. cf. v. marginalis Witt.
— marginalis Witt	101, 4.
— v. punctata Witt	101, 6.
lucidus Grev.	169, 10.
Macraenus Grev.	104, 2.
margaritaceus Ralfs	33, 1-3. 37, (1-3). 4. 5. (6. 7). 92, 12. 104, 7-8. 105, 1. 2. 4. cf. A. catenarius Witt.
— v. distans Rattr.	104, 6.
— v. distincta Rattr.	92, 13.
— v. elongata Rattr.	37, 1-3.
— v. Kinkeri A. S.	105, 5. 106, 3-5.
— v. Moelleri Grun.	33, 14. 35, 6? 37, 8. 41, 12. 102, 1. 2.
— v. robusta Witt	37, 6. 7. 105, 3.
— v. tenera Witt	102, 4.
margaritaceus Witt & A. S. u. V.	105, 1. 4.
— v. robusta Witt	105, 3.
— v. undosa Grove & Sturt	134, 1?
marginatus Ralfs	133, 1.
Moelleri Grun. u. Var.	33, 14. 35, 6. 102, 1. 2. = A. marg. v. Moell. Grun. 92, 13? = A. marg. v. distincta Rattr.
Muelleri Grun.	41, 11. cf. A. Comberi Arn.
multispadix Tp. & Br.	158, 6. 7.
nigricans Tp. & Br.	169, 6. 7.

Aulacodiscus.

nigricans v. spinifera Brun . . .	169, 5. 201, 7.
Novae Seelandiae Grun.	124, 8. 157, 2. 201, 9.
oamaruensis Grun.	124, 9.
oregonus Bail.	34, 4. 5. (107, 6.)
— v. sparsius punctata Grun. . .	107, 6.
orientalis Grev.	34, 1—3.
patulus Grun. (u. Var.?)	134, 5. 6.
Petersi E. (u. Var.?)	35, 1—4. 41, 1. 2. 102, 6. 162, 7?
— v. asperula Rattr.	41, 4.
— v. circumdata A. S.	35, 5.
— v. notabilis Rattr.	35, 1—3.
probabilis A. S.	36, 13. 14. 104, 3. 4.
quadrans A. S.	35, 10. 161, 5.
radius Grove & Sturt.	157, 1.
Rattrayi Grove & Sturt u. Var. .	124, 7? 146, 9.
reticulatus Pant.	102, 7.
Rogersi (Bail.) A. S.	107, 3. 201, 10?
scaber Ralfs	33, 4—8.
Schmidtii Witt	101, 1—3.
secedens A. S.	106, 2. 146, 2?
septus A. S.	36, 19—21.
Sollitanus Norm. u. Verw. . . .	33, 10—13. 103, 3.
— v. Novae Zelandiae Grove & Sturt	170, 10.
sparsus Grev.	36, 12. = A. Beeveriae Johns.
squamosus Brun	161, 1. 2.
Stoschi Jan.	34, 11. = A. decorus v. Stoschi Jan.
Sturti Kitt.	107, 8. 9.
subrimosus Grun.	124, 4. 5.
suspectus A. S.	36, 17. 18.
Temperei A. S.	157, 7.
Thumi A. S.	102, 8. 133, 8.
tripartitus Tp. & Br.	169, 8. 9.
tubulo-crenatus Tp. & Br. . . .	158, 3. 162, 1.
tumulifer Brun	162, 3. 170, 7—9.
Voluta Coeli Brun	170, 5. 6.
Witti Jan.	106, 1.
zonulatus Rattr.	161, 6.

Auliscus E.

accedens Rattr.	171, 12. 125, 6.
albidus Brun	171, 3. 4.
— v. baccata Brun	171, 5. cf. A. subspeciosus Rattr.
ambiguus Grev.	171, 13.
Biddulphia Kitt.	67, 3.
— v. dentatus Rattr.	89, 3.
— v. prominens Rattr.	89, 2.
Caballi A. S.	32, 1. 2.
caelatus Bail. (u. Var.?)	32, 14. 15. 67, 12. 204, 21.
— f. major	67, 11.
— v. aucklandica Grun.	67, 13.
— v. latecostata A. S.	32, 16—20.
— v. mergens Rattr.	32, 12. 13. 23.
— v. strigillata A. S.	32, 24—26.
californicus Brun	171, 8. 9.
caribaeus Cl.	67, 9. 10.
Clevei Grun.	31, 1—4.
coincidens A. S.	171, 1.

Auliscus E.

compositus A. S.	30, 9.
confluens Grun.	31, 16. 32, 6—8. 149, 7?
convolutus Grove	171, 6.
elaboratus Ralfs	67, 4.
elegans Grev.	89, 7.
— v. californica Grun.	89, 8.
— v. Grunowi A. S.	30, 14.
ellipticus A. S.	149, 4.
A. ? fenestratus Grove & Sturt	125, 11—13? 149, 9.
fulcratus A. S.	149, 2. 3. = A. lineatus Gr. & St.
gigas E.	67, 11. = A. caelatus Bail. f. major. 117, 4—7? cf. sculptus (W. Sm.) Ralfs.
Grevillei Jan.	30, 15.
Grunowi A. S.	30, 14. 89, 7. cf. A. elegans v. Grun. A. S.
— v. californica Grun.	89, 8. cf. A. elegans v. calif. Grun.
Hardmanianus Grev.	67, 1. 89, 4. 108, 1.
Haucki Pant.	108, 8. 9.
incertus A. S.	89, 18. 19.
insignis Cl.	89, 1.
intercedens Jan.	32, 9.
intestinalis A. S.	108, 2.
Joynsoni A. S.	67, 2.
lacunosus Grove & Sturt	125, 4.
lineatus Grove & Sturt	149, 2.
lucidus Rattr.	31, 10. 12.
Macraeanus Möll.	31, 5.
microleion A. S.	149, 5.
mirabilis Grev.	89, 10—13.
moronensis Grev.	32, 4. 108, 7.
nanus A. S.	32, 27.
Normanianus Grev.	32, 3. 67, 5. 117, 8.
oamaruensis Grove & Sturt	117, 2. 3. 125, 1. 171, 2.
ovalis Arn.	30, 16. 17. 125, 3.
pauper Rattr.	125, 5.
peruvianus Grev.	32, 29.
Polyphemus A. S.	149, 6.
propinquus Grove & Sturt	149, 8. 171, 11.
pruinosis Bail. u. Var.	31, 6. 7. 125, 7. 8? 149, 7?
— v. Carpentariae Grun.	31, 11. 32, 5? cf. A. punct. v. Carp. Grun.
— v. robusta	149, 1.
— v. sansibarica Grun.	31, 13—15. cf. A. punct. v. Carp. Grun.
— v. subreticulata Grun.	89, 5. 6. = A. subret. (Grun.) Rattr.
pulvinatus Cl. u. Var.	108, 4—6. 117, 10. 125, 17?
punctatus Bail. u. Var.	31, 8. 9. 67, 7. 8. 89, (14. 15.) 16. 17.
— v. Carpentariae Grun.	31, 11. 13—15. 32, 5.
— v. striolatus Rattr.	89, 14—15.
punctatulus Grun.	30, 10.
racemosus Ralfs	30, 13. 67, 6. = A. Stoeckhardti Jan.
radiatus Bail.	32, 28. (Pseudauliscus).
reticulatus Grev.	30, 1—4.
— v. capensis A. S.	30, 6.
— v. quadrisignata A. S.	30, 5.
Rhipis A. S.	32, 10. 11.
Schmidti Gründl.	30, 7.
sculptus (W. Sm.) Ralfs	30, 8? 32, 21. 22.
— v. permagna Truan & Witt	117, 4—7. cf. A. gigas E.

Auliscus.

Sigillum Brun	. . . . .	171, 7.	
speciosus A. S.	. . . . .	80, 5. 108, 3.	
A.? spinosus F. Christian	. . . . .	125, 2.	
Stenops A. S.	. . . . .	149, 8.	
Stoeckhardtii Jan.	. . . . .	30, 11—13. 67, 6. 149, 11.	
— v. aspera Grove	. . . . .	204, 19.	
subspeciosus Rattr.	. . . . .	171, 5. cf. A. albidus v. baccata Brun.	
subreticulatus (Grun.) Rattr.	. . . . .	89, 5. 6.	
textilis A. S.	. . . . .	89, 9.	
transpennatus Brun	. . . . .	171, 10.	
trigeminus A. S.	. . . . .	125, 16.	

Auricula Castr.

A.? incerta A. S.	40, 1. cf. Amphora.	
insecta Grun.	40, 2. 3.	

Biblarium E.

sp?	183, 26.	
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Biddulphia Gray.

angulata A. S.	141, 7. 8.	(Odontella).
aurita Bréb. u. Var.	120, 5—10. 122, 1—8. 28.	(Odontella).
Baileyi W. Sm.	. . . . .	122, 20. 21. = B. mobil. Bail.	(Denticella).
Balaena Brightw.	. . . . .	121, 5. 6.	(Zygoceros).
Birostrum Brun	. . . . .	172, 9.	(Odontella).
blanda A. S.	. . . . .	122, 25.	(Denticella).
Calamus Tp. & Br.	. . . . .	173, 15.	(Odontotropis?).
capucina A. S.	. . . . .	119, 13. 14.	
chinensis Grev. v.	. . . . .	122, 22—24.	(Denticella?).
coruscaus A. S.	. . . . .	121, 18. 19. =? B. jap. Grun.	(Denticella?).
decumana A. S.	. . . . .	172, 1—3.	
discigera Grun.	. . . . .	122, 15.	(Odontella).
Edwardsi Febr.	. . . . .	172, 4.	(Odontella).
elegantula Grev.	. . . . .	119, 9. 10. 12.	
— v. polygibba Pant.	. . . . .	141, 1.	
— v. subgibbosa	. . . . .	119, 11.	
expedita Jan.	. . . . .	121, 3.	(Odontella?).
fenestrata Grun.	. . . . .	125, 11—13.	(Odontella).
granulata Roper	. . . . .	122, 26. 27.	(Odontella).
— v.?	. . . . .	122, 18.	
Gruendleri A. S.	. . . . .	118, 22—24.	
heteroceros Grun.	. . . . .	141, 6.	
japonica Grun.	. . . . .	121, 18. 19.	(Denticella?).
lata Grove & Sturt	. . . . .	172, 7.	
longicrusis Grev. v.	. . . . .	118, 10.	(Denticella).
manca Jan.	. . . . .	121, 4.	(Odontella).
miraculosa Brun	. . . . .	172, 10.	
mobiliensis Bail.	. . . . .	122, 20. 21.	(Denticella).
multicornis v. Templum Brun	. . . . .	173, 13. 14.	
nobilis Brun	. . . . .	172, 6.	
oamaruensis Grove & Sturt	. . . . .	141, 4.	(Odontella).
obtusa Grun.	. . . . .	122, 30. 31.	(Odontella).
pedalis Grove & Sturt	. . . . .	149, 18.	(Odontella).
peruviana Grun.	. . . . .	120, 14—19.	(Denticella?).
plana A. S.	. . . . .	121, 7.	(Odontella).
podagrosa Grev. (v.?)	. . . . .	142, 40. 41.	
primordialis Brun	. . . . .	172, 4.	(Odontella).

Biddulphia.

primordialis v. inermis Brun . . .	172, 5.	
pulchella Gray u. Verw.	118, 26—33. 120, 26? 121, 1. 2.	
punctata Grev. u. Var.	141, 2. 3. 172, 8.	
Regina W. Sm.	119, 18.	
reticulata Roper (u. Var.?) . . .	78, 21—23. 84, 15. 16. 121, 11—15.	
— f. trigona	85, 8.	
— v. subspinosa	84, 9.	
Rhombus W. Sm.	120, 11—13. 151, 9. 10.	
— v. tetragona	151, 11. 12.	
rigida A. S.	120, 1. 2.	
Roperiana Grev.	120, 20—24.	(Odontella).
ruthenica Witt	121, 22. 23. 122, 19.	(Denticella?).
sansibarica A. S.	122, 10—12.	(Denticella).
separanda Jan.	141, 27.	(Odontella?).
seticulosa Grun.	121, 20. 21. 24.	(Denticella).
subaequa K.	141, 11.	(Odontella).
sublaevis Grun. v.	122, 17.	(Odontella).
tenera Grove & Sturt	141, 5.	
tridentata E.	118, 13—21.	
tridentata Weisse	142, 42. 43. 172, 10.	
Tuomeyi Bail. u. Var.	118, 1—7. 119, 1—7. 8? 15—17.	(Zygoceros).
— v. globiceps	120, 3?	
Weissflogi Jan. u. Verw.	141, 12—23. 24?	(Denticella).

Brightwellia Ralfs.

coronata (Brightw.) Ralfs	138, 21.	
elaborata Grev.	138, 23.	
hyperborea Grun.	138, 22.	
pulchra Grun.	138, 21. = B. coronata (Brightw.) Ralfs.	

Caloneis Cl.

blanda (A. S.) Cl.	212, 15.	
— v.	212, 14.	
Castracanei (Grun.) Cl.	212, 31.	
— v. Petitiona Grun.	212, 26—29.	
C. ? egena A. S.	160, 42. 43. 212, 1.	
eximia Grun.	212, 7.	
formicina (Grun.) Cl.	160, 38—41. 212, 8.	
formosa (Greg.) Cl.	50, 8—15.	
galapagensis Cl.		
— v. contracta Grun.	160, 13.	
— v. japonica Cl.	160, 15. 16.	
intercedens (A. S.)	160, 3—5. cf. C. Musca (Greg.) Cl.	
Liber (W. Sm.) Cl.		
— v. bicuneata Grun.	50, 22—25.	
— v. elongata Grun.	50, 27—29.	
— v. excentrica Grun.	50, 30.	
— v. genuina Cl.	50, 16—21. 37.	
— v. linearis Grun.	50, 38. 40.	
— v. umbilicata Grun.	50, 32. 33.	
marginato-lineata (Grove & Sturt) .	160, 27.	
maxima (Greg.)		
— f. lanceolata	50, 6. 7.	
— v.	50, 36. 37? cf. C. Liber v. genuina Cl.	
Musca (Greg.) Cl.	160, 2—4. 10—12. cf. C. intercedens (A. S.).	
— f. minor	160, 1.	
— v. intermedia Cl.	160, 7. 8.	

Caloneis.

Musca v. mirabilis Leud.-F.	160, 6.
ophiocephala Cl. & Grove	212, 6.
Powell (Lewis) Cl.	212, 19. (20. 21.) 22. (23.) 24. 25.
— v. Bartholomei Cl.	160, 9.
— v. galapagensis Cl.	212, 20.
— v. Vidovich Grun.	212, 21. 23.
probabilis (A. S.) Cl.	50, 46.
robusta (Grun.) Cl.	50, 1. 2.
— v. subelliptica Cl.	50, 4. 5.
samoensis (Grun.) Cl.	50, 43. 44.
Schumanniana (Grun.) Cl.	
— v. trinodis Lewis	212, 4. 5.
C.? scintillans Tp. & Br.	160, 36. 37.
sectilis (A. S.) Cl.	50, 3. 212, 16.
— v. boryana Pant.	212, 18.
C.? sejuncta A. S.	7, 50. 212, 9. 10.
— (v.?) baldjikiana A. S.	70, 55. 56.
Witti (Grun.) Cl.	212, 11. 12.

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adornatus A. S.	51, 5. 52, 3.
adriaticus Grun.	16, 13. 18.
— v. massiliensis Grun.	16, 14—16.
aemulus A. S.	207, 12.
ambiguus Grev.	18, 23—26.
— v. upolensis Grun.	51, 14.
angularis Greg.	18, 7.
australis Grun. v.	51, 9.
balearicus Cl.	53, 11.
bellus A. S.	207, 4. 5.
biangulatus Grev.	14, 18—22. 208, 8? 9. 15.
bicostatus W. Sm.	55, 4—6.
— v. arabica Grun.	55, 7.
bifurcatus A. S.	52, 8.
bimarginatus A. S.	16, 7. 18, 15.
birostratus Deby	14, 23.
biseriatus Deby	15, 11.
Brightwelli Grun. (u. Var.?)	15, 6. 7. 18, 11. 12. 207. 15.
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contiguus A. S.	18, 19. 20.
Coronilla Brun	208, 16?
— v. californica Deby	208, 16?
coruscus A. S.	14, 17.
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crebrecostratus Grun.	208, 14.
— v. sparsior	15, 16.
crebrestriatus Grev.	14, 28? 53, 18.
decorus Bréb.	14, 4. 5. 208, 8.
diplostictus Norm.	207, 22?
Daemelianus Grun.	54, 1. 2.
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— v. briocensis A. S.	52, 1. 2.
fluminensis Grun.	14, 6.
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Greenleafianus Grun.	15, 3.
Gruendleri Grun.	15, 1. 2. 51, 13. 208, 1.
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Heuffleri Grun.	14, 25. 26. 53, 19. 207, 17.
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Hodgsoni W. Sm.	53, 5?
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— v. mediterranea Grun.	17, 7.
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— v.	53, 5.
— v. media Grun.	15, 9. 10. 17, 20. 21.
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— v. zanzibarica Grun.	16, 17.
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— v. pertinax A. S.	207, 11.
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— v. australis Eul.	17, 1.
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— v. Leudgeri Deby	208, 6.
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— v. thermalis Grun.	116, 8-11.
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Beltmeyer Jan.	196, 22. 23.
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circumcincta A. S.	195, 7-9. = <i>C. pellucida</i> Hantzsch.
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comis A. S.	192, 2.
composita A. S.	196, 4, 5.
conspicua A. S.	196, 27-29. = <i>C. heteroidea</i> v. <i>consp.</i> A. S.
contermina A. S.	196, 21.
cornuta Jan.	197, 19.
costata Greg.	189, 6, 7. 190, 39?
— f. <i>pacifica</i> Grun.	189, 11-15.
— v.	189, 8? = ? <i>C. britannica</i> Naeg.
— v. <i>kerguelensis</i> Pet.	189, 9, 28-32.
curvirotrunda Tp. & Br.	195, 12-16.
— v. <i>bifrons</i> A. S.	195, 17, 18. } = <i>C. heteroidea</i> v. <i>curvirotr.</i> Tp. & Br.
— v. <i>Grovei</i> A. S.	195, 10, 11. }
cyclophora Hantzsch	197, 20, 28? 29, 30.
— v. <i>californica</i> Brun	197, 25-27. = <i>C. cycl.</i> v. <i>kerguel.</i> Cl.
— v. <i>decora</i> A. S.	198, 1-3.
— v. <i>kerguelensis</i> Cl.	197, 25-27.
decipiens Cl. v.	198, 12? = <i>C. divisa</i> A. S.
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— v. <i>africana</i> Brun	193, 49-51. = <i>C. molesta</i> v. <i>cruc.</i> Grun.
— v. <i>californica</i> Cl.	196, 16, 17, 18?
— v. <i>Sigma</i> Pant.	196, 11.
— v. <i>sparsipunctata</i> Tp. & Br.	196, 12-15.
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Disculus Schum.	192, 19.
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extravagans Jan.	189, 28-32. = <i>C. costata</i> v. <i>kerg.</i> Pet.
Febigeri Brun	193, 58. = <i>Diploneis microt.</i> v. <i>Christiani</i> Gasc.
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— v. curvirounda Tp. & Br.	196, 10—18.
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Imperatrix A. S.	189, 10—15. cf. C. costata f. pac. Grun.
inflexa A. S.	196, 10.
insignis Jan.	197, 2. 3.
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— v.	191, 27? 44—46?
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— v. crucifera Grun.	193, 48—51.
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notabilis A. S.	194, 13.
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— f. minuta	191, 5.
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— v. lineata E.	191, 56?
— v. meridionalis Brun.	192, 34.
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<i>pseudomarginata</i> v. <i>intermed.</i> Grun.	194, 1. 19?
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<i>Reichelti</i> A. S.	192, 37.
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<i>robusta</i> Leud.-F.	198, 31. 32. = <i>C. apiculata</i> A. S.
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— <i>v.</i>	191, 11. 54. 192, 36.
— <i>v. baldjikiana</i> Grun.	190, 7—10.
— <i>v. californica</i> Grun.	191, 40—43.
— <i>v. dilatata</i> A. S.	190, 25. 26. }
— <i>v. gemmata</i> A. S.	190, 23. 24. } = <i>C. Scutellum</i> E.
— <i>v. maxima</i> Grun.	191, 28—34.
— <i>v. minor</i>	190, 22. = <i>C. Scut. v. parva</i> Grun.
— <i>v. parva</i> Grun.	190, 22.
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<i>speciosa</i> Greg.	190, 35?
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<i>superba</i> Jan.	193, 9. 10.
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<i>transversa</i> A. S.	196, 39. } = <i>C. heteroidea</i> Hantzsch.
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<i>australicum</i> A. S.	10, 34. 35. = <i>Cymb. austr.</i> A. S.
<i>Boeckii</i> (K.? nec E.) Grun.	10, 11. = <i>Cymb. lanc.</i> E.
<i>Cistula</i> E. (u. Var.?)	10, 24—26. 71, 21. 25. 72, 15—17. = <i>Cymb. Cist.</i> Hpr.
— <i>v. maculata</i> Grun.	71, 20. 22. = <i>Cymb. Cist. v. mac.</i> Grun.
<i>cymbiforme</i> K.	10, 13. = <i>Cymb. cymb.</i> (Ag.) K.
<i>cymbiforme</i> E.	10, 27a. }
<i>gibbum</i> E.	10, 27. } = <i>Cymb. affinis</i> K.
<i>helveticum</i> (K.)	71, 19. = <i>Cymb. helv.</i> K.
<i>hungaricum</i> Grun.	9, 38. 10, 16. 17. 71, 37. 38. = <i>Cymb. parva</i> v. <i>hung.</i> Grun.
<i>Janischi</i> A. S.	71, 81. = <i>Cymb. Jan.</i> A. S.
<i>laeve</i> (Naeg.)	10, 23. = <i>Cymb. helv.</i> K.
<i>lanceolatum</i> E.	10, 8—10. 72, 22—25. = <i>Cymb. lanceol.</i> E.
<i>mexicanum</i> E. u. Var.	10, 32. 33. 71, 82. = <i>Cymb. mex.</i> E.
<i>nanum</i> Hantzsch	71, 27. = <i>Cymb. affinis</i> K.
<i>parvum</i> W. Sm.	10, 14. 15. = <i>Cymb. parva</i> W. Sm.

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Corinna Heib.

elegans Heib. 143, 54. 55. 144, 2. 4. = Hemiaulus eleg. (Heib.)
Grun.

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— v. latius striata A. S. 57, 30. 34.
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decipiens Grun. 59, 18.
decrescens Grun. u. Var. 61, 8-10. 15?
denarius A. S. u. Var. 57, 19-22.
detritus A. S. 58, 15. = C. patellaeformis Grev.

Coscinodiscus.

devius A. S.	60, 1-4.
C.? dimorphus Castr.	57, 1.
Diorama A. S.	64, 2.
diversus Grun.	62, 13-15.
duriusculus Rattr.	58, 8.
echinatus Rattr.	58, 35. 36.
egregius Rattr.	57, 39.
elegans Grev.	58, 7. 163, 10.
— v. spinifera Grove & Sturt	138, 15. 16.
elegantulus Grev.	58, 3-6.
entoleion Grun.	114, 3.
Euryomma A. S.	163, 1.
evadens v. parvula Rattr.	57, 45.
excavatus v. genuina Grun.	65, 1.
excentricus E.	58, 49.
exiguus Rattr.	58, 30.
— v. aequalis Rattr.	58, 31.
extravagans A. S.	58, 33.
fasciculatus A. S.	57, 9. 10. = C. Normani Greg.
fimbriato-limbatus E.	65, 3-6. 113, 2. = C. marginatus E. v.
flagrans Rattr.	57, 46.
flexilis Rattr.	114, 6.
floridulus A. S.	113, 16.
galapagensis A. S.	138, 12.
galapagensis Rattr.	163, 2.
gigas E.	64, 1.
— v. punctiformis Rattr.	65, 2.
— v. Diorama Grun.	64, 2. = C. Diorama A. S.
grandineus Rattr.	60, 16.
granulosus v. conspicua Rattr.	57, 3.
griseus Grev.	58, 1? 13. 14.
heteromorphus Rattr.	65, 17.
heteroporus E. u. Var.	61, (1.)? 4. 6. 7?
— v. moronensis Grun.	61, 1.
inclusus Rattr.	57, 47.
incretus A. S.	139, 1.
insutus Rattr.	57, 2.
Janischi A. S.	64, 3. 4.
Kuetzingi A. S.	57, 17. 18.
Kurzi Grun.	113, 17.
Labyrinthus Roper v.	59, 14? = C. biscalptus Rattr.
lacustris Grun.	225, 16-20.
lentiginosus Jan.	58, 11.
leptopus Grun.	59, 26?
Lewisianus Grev.	66, 12.
limbatus E.	65, 7.
lineatus E.	59, 26-32. cf. C. leptopus Grun.
luctuosus Grove	148, 3.
macraenus (Grun.?)	148, 6.
marginato-lineatus A. S.	59, 33.
marginatus E.	59, 11. 62, 1-5. 9. 11. 12. 65, 3-6. 7. 113, 2.
— v. intermedia (Grun.) Rattr.	62, 6.
marginatus K.	57, 17. 18. = C. Kuetzingi A. S.
marginatus Jan.	64, 3. 4. = C. Janischi A. S.
marginulatus Rattr.	
— v. curvato-striata Grun.	57, 5.

Coscinodiscus.

Megalomma A. S.	164, 3.
micans A. S.	139, 2. 3.
minor E.	58, 39. 40. 59, 8. 9. 113, 9.
Moelleri A. S.	59, 17.
Monicae (Grun.) Rattr.	63, 10.
moravicus Grun.	114, 2.
nitidulus Grun.	58, 20. 21.
nitidulus E. (v.?)	113, 18.
nitidus Greg.	58, 18.
— v. sparsa Rattr.	58, 17.
— v. tenuis Rattr.	58, 19.
nodulifer A. S.	59, 20—23.
Normani Greg.	57, 9. 10.
oblongus Grev.	66, 10. 11. = Craspedodiscus obl. Grev.
obscurus A. S. u. Var.	61, 16—18.
obversus Rattr.	60, 14.
Oculus Iridis E.	63, 2. 6. 7. (8. 9.) 113, 1. 3. 20. 148, 1.
— v. morsianus Grun.	60, 7. 63, 9.
— v. stelliger Rattr.	63, 8.
— v. subspinosus Grun.	63, 4.
Omphalanthus E.	63, 2? cf. C. Oculus Iridis E.
Ovicentrum Grove	184, 6. 7.
pacificus (Grun.) Rattr.	60, 13.
partitus v. nebulosa Grove.	163, 5.
patellaeformis Grev.	58, 15.
perforatus E.	64, 12—14.
— v. cellulosa Grun.	114, 5.
perminutus Rattr.	59, 7.
peruanus Grun.	58, 43.
pilosus A. S.	148, 8.
plicatus Grun.	59, 1.
praeclarus A. S.	163, 7.
radiatus E.	60, 5. 6. 9. 10.
— v. glacialis Grun.	113, 8.
— v. media Grun.	113, 21.
radiolatus E.	60, 11.
reniformis Castr.	140, 17. = Stoschia admirabilis Jan.
Rex Wallich	114, 7.
robustus Grev.	62, 16—17. 65, 9.
Rothi (E.) Grun.	57, 25—27.
— v. grandiuscula Rattr.	57, 23.
Rotula Grun.	57, 6. 7.
secernendus A. S.	114, 1.
semipennatus Grun.	57, 32.
senarius A. S.	57, 24.
simbirskianus Grun.	113, 11. 12.
Sol Wallich (u. Var.?)	58, 41. 42. 45.
spinifer Grove & Sturt	164, 2.
spinuliger (Grun.) Rattr.	63, 3. 113, 19.
splendidus Grev.	65, 11.
stellaris Roper	164, 4.
stelliger Grun.	58, 10.
strigillatus Witt	138, 20.
subaulacodiscoidalis Rattr.	57, 8.
subconcaus Grun.	59, 12. 13. 62, 7?
— v. tenuior Rattr.	59, 15.

Coscinodiscus.

subglobosus Grun.	58, 44.
sublineatus Grun.	138, 7.
subnitidus Rattr.	58, 16.
suboculatus Rattr.	61, 5.
subvelatus Grun.	65, 9. = <i>C. robustus</i> Grev.
subtilis E. u. Var.	57, 11—16, 28, 29. 58, 37.
superbus Hardm.	
— v. <i>Novae Seelandiae</i> Grove	148, 7. 163, 8. (<i>Cestodiscus</i>).
suspectus Jan.	59, 2.
symbolophorum Grun.	138, 1—3.
— v. <i>oamaruensis</i> A. S.	138, 4, 5.
symmetricus Grev.	57, 25—27? = <i>C. Rothi</i> (E.) Grun.
tabularis Grun.	57, 43.
tabularis Tp. & Br.	164, 1.
Temperei Brun	163, 9.
Thumi Cl.	114, 10.
traducens Rattr.	58, 12.
— v. <i>hispida</i> Rattr.	58, 38.
tuberculatus Grev.	57, 42.
— v. <i>Monicae</i> Grun.	57, 40, 41.
tumidus Jan.	59, 38, 39.
turgidus Rattr.	62, 10.
vacuus Rattr.	58, 29.
vetustissimus Pant.	
— v. <i>curvatuloides</i> Grove	163, 6.
vigilans A. S.	114, 11, 12.
Woodwardi Eul u. Var.	60, 8. 61, 2, 3. 65, 2. cf.
zonulatus Rattr.	59, 6.

~	{ <i>C. apiculatus</i> E.
	{ <i>C. Argus</i> E.
	{ <i>C. boliv.</i> Grun.
	{ <i>C. gigas</i> E.
	{ <i>C. heteropor.</i> E.

Cosmiodiscus Grev.

elegans Grev.	229, 2—6? 10, 11.
— v. <i>inermis</i> (Pant.)	229, 1, 7—9.

Craspedodiscus E.

Coscinodicus E.	66, 3, 4. 184, 4.
— v. <i>nankooensis</i> Grun.	66, 5.
elegans E.	66, 1.
insignis A. S.	66, 2.
Klavseni H. Gründl.	184, 5.
Moelleri A. S.	184, 3.
oblongus Grev.	66, 10, 11.
oblongus Grun.	66, 7—9. = <i>Porodiscus obl.</i> Grev.
ovalis Grun.	66, 6. = <i>Porod. splend. v. marginata</i> Rattr.
rhombicus Grun.	66, 13.

Craspedoporus Grev.

elegans Grove & Sturt	149, 20, 21.
Pantocseki Brun	164, 11. 202, 1.

Cresswellia Grev. & Arn.

Palmeriana Grev.	123, 1. = <i>Stephanop. Palm.</i> (Grev.) Grun.
rudis Grev.	164, 9. = <i>Stephanop. rud.</i> (Grev.) Grun.
superba Grev.	123, 3—8. = <i>Stephanop. sup.</i> (Grev.) Grun.

Cyclotella K.

americana Fricke	222, 50—52.
antiqua W. Sm.	224, 45—48.
bodanica Eul.	224, 29—32.

Cyclotella.

Castracanei Eul.	225, 1—7.
comensis Grun.	224, 33—35.
comta (E.) K.	224, 1—4, 13—25.
— v. bodanica Eul.	224, 29—32.
— v. oligactis (E.) Grun.	224, 39? 40?
— v. Pantanelli Castr.	223, 1—5.
— v. paucipunctata Grun.	224, 39? 40?
— v. tenuis Fricke	224, 26—28.
— v. unipunctata Fricke	224, 5—12.
C.? dubia Fricke	222, 23, 24.
Iris Brun	222, 37—41.
Kuetzingiana Chauvin	222, 1—7, 13, 14.
— v. Melosira Fricke	222, 15—17.
— v. parva Fricke	224, 36, 37.
— v. planetophora Fricke	222, 9—12.
— v. radiosa Fricke	222, 8.
— v. Schumanni Grun.	222, 18—21.
Meneghiniana K.	181, 91. 222, 22, 25—30.
— v. binotata Grun.	222, 31.
— v. plana Fricke	222, 32.
operculata K.	222, 42—47.
Pantanelli Castr.	223, 1—5.
punctata W. Sm.	225, 16—20. = Coscinodiscus lacustr. Grun.
pygmaea Pant.	224, 49—56.
sevilleana Deby	222, 33, 34.
sexnotata Deby	222, 35, 36.
stelligera Cl. & Grun.	222, 48, 49.
stilorum Brightw.	223, 6—8.
striata (K.) Grun.	223, 9—13.
— v. ambigua Cl. & Grun.	223, 20.
— v. bipunctata Fricke	223, 15—19.
— v. mesoleia Grun.	223, 14.
Temperei Brun	224, 41—44.
transilvanica Pant.	223, 21—27.

Cymatoneis Cl.

circumvallata Cl.	212, 48.
quadrisulcata (Grun.) Cl.	212, 49? 50.
sulcata (Grev.) Cl.	212, 41—45, 47.

Cymbella Ag.

aequalis W. Sm.	9, 41—45, 71, 72?
— v. hybrida Grun. u. Verw.	9, 69, 71, 50. = C. angust. W. Sm.
affinis K.	9, 29, 10, 27, 71, 27—29.
alpina Grun.	71, 44, 45.
americana A. S.	9, 15, 20.
— v. acuta A. S.	71, 75—78.
amphicephala Naeg.	9, 62, 64—66, 71, 52.
— v. hercynica A. S.	9, 30, 31.
Ancyli Cl.	236, 29, 30.
anglica Lgst.	9, 63. = C. naviculif. Auersw.
angustata W. Sm.	9, 69, 71, 50.
arctica Lgst.	10, 12, 71, 23, 24. = C. Cistula v. arct. Lgst.
aspera E.	9, 1, 2, 10, 7.
— v. bengalensis Grun.	9, 12, 13, 71, 79.
australica A. S.	10, 34, 35.
austriaca Grun.	9, 10, 71, 67—69.

Cymbella.

Balatonis Grun.	10, 19.
bengalensis Grun.	9, 12, 13, 71, 79. = <i>C. aspera</i> v. <i>beng.</i> Grun.
Beyerleiana A. S.	71, 56—61. = <i>Navic. brachysira</i> Bréb.
Botellus Lgst.	71, 39.
Cesatii (Rbh.) Grun.	71, 48, 49.
Cistula Hempr.	10, 1—5, 24—26, 71, 21, 25, 72, 15—17.
— v. <i>maculata</i> K.	10, 6, 71, 20, 22.
— v. <i>arectica</i> Lgst.	10, 12, 71, 23, 24.
Cucumis A. S.	9, 21, 22.
curta A. S.	9, 47.
cuspidata K.	9, 50, 53—55.
cymbiformis (Ag.) K.	9, 76—79, 10, 13.
Davidsoni Grun.	71, 75—78. = <i>C. americana</i> v. <i>acuta</i> A. S.
delecta A. S.	9, 17, 71, 80. = <i>C. Ehrenbergi</i> v. <i>del.</i> A. S.
delicatula K.	71, 54, 55.
Ehrenbergi K.	9, 6—9, 71, 74.
— v. <i>delecta</i> A. S.	9, 17, 71, 80.
excisa Pet.	71, 35, 36. cf. <i>C. leptoceros</i> (E.?) Grun.
gastroides K.	9, 1, 2, 72, 12—14, 26—28. = <i>C. aspera</i> E.
gracilis Rbh.	10, 36, 37, 39, 40, 72, 20, 21.
helvetica K.	10, 20—23, 71, 19.
hereynica A. S.	9, 30, 31. = <i>C. amphiceph.</i> v. <i>here.</i> A. S.
heteropleura Ralfs	9, 4, 5.
— v. <i>minor</i> Cl.	9, 51, 52.
— v. <i>subrostrata</i> Cl.	9, 3.
integra A. S.	71, 64—66. = <i>Navic. integra</i> W. Sm.
Janischi A. S.	71, 81.
kamtschatica Grun.	10, 31. = <i>C. mexicana</i> E.
leptoceros (E.?) Grun.	
— v. <i>excisa</i> Pet.	71, 35.
lacustris Ag.	10, 63, 71, 1—5.
laevis Naeg.	9, 35.
lanceolata E.	10, 8—11, 72, 22—25.
Lunula Rbh.	71, 14, 15. = <i>C. ventricosa</i> K.
maculata K.	10, 6, 71, 20, 22. = <i>C. Cist.</i> v. <i>mac.</i> K.
mexicana E.	10, 31—33, 71, 82.
minuscule Grun.	9, 58—61.
minuta Hilse	71, 30, 31. = <i>C. ventric.</i> K.
Moelleriana Grun.	9, 71—75.
Navicula (E.)	9, 35? = <i>C. laevis</i> Naeg.
naviculiformis Auersw.	9, 63.
norvegica Grun.	9, 67, 68, 10, 38, 41.
obtusa Greg. u. Var.	9, 41—45, 71, 72. = <i>C. aequalis</i> W. Sm.
obtusiuscula (K.?) Grun.	9, 49.
parva W. Sm.	10, 14, 15.
— v. <i>hungarica</i> Grun.	9, 38, 10, 16, 17, 71, 37, 38.
prostrata Berk.	10, 64—69, 71, 6—9.
pusilla Grun.	9, 36, 37.
Reinhardt Grun.	9, 27.
rupicola Grun.	71, 70, 71.
salinarum Grun.	9, 28. = <i>C. tumidula</i> v. <i>sal.</i> Grun.
Schmidt Grun.	9, 48.
scotica W. Sm.	10, 22. = <i>C. helvetica</i> K.
semicircularis Lgst.	71, 26.
silesiaca Bleisch	10, 59. = <i>C. ventricosa</i> K.
stauroneiformis Lgst.	71, 62, 63.

Cymbella.

stomatophora Grun.	10, 28—30. = <i>C. tumida</i> Bréb.
Triangulum E.	10, 54, 71, 10.
tumida Bréb.	10, 28—30.
tumidula Grun.	9, 33.
— v. salinarum Grun.	9, 28.
turgida Greg.	9, 34? 10, 49—53.
turgidula Grun.	9, 23—26.
ventricosa K.	9, 32? 10, 42, 43, 57—59, 71, 11, 12, 13? 14, 15, 30, 34, 72, 11?
— v. obtusa Grun.	10, 47, 48.
— v. ovata Grun.	10, 45, 46.
yarrensensis A. S.	71, 16.

Denticella (E.) Grun. S. Biddulphia.

Denticula (K.) Grun.

D.? staurophora Greg. 209, 37?

Dictyoneis Cl.

Clevei (Brun)	160, 34, 35. = <i>D. marginata</i> v. <i>interm.</i> Cl.
marginata (Lewis) Cl. (v.)	188, 48, 49.
— f. elongata	160, 30, 31. = <i>D. marg.</i> v. <i>commut.</i> Cl.
— v. Clevei Brun	188, 46.
— v. commutata Cl.	160, 30, 31.
— v. intermedia Cl.	160, 34, 35.
— v. Janischi Castr.	160, 17—19, 21, 188, 50.
— v. spectatissima Grev.	160, 24—26, 32.
— v. typica Cl.	160, 20, 23, 28, 29, 188, 47.
rugosa (Tp. & Br.) Cl.	160, 33.
spectatissima (Grev.) Cl.	160, 24—26, 32. = <i>D. marg.</i> v. <i>spect.</i> Grev.
Thumi Cl.	188, 44, 45.

Didymosphenia M. S.

Curvirostrum (Tp. & Br.) M. S. . .	214, 4—6.
geminata (Lyngb.) M. S.	214, 7—10.
— v. stricta M. S.	214, 11, 12.
sibirica (Grun.) M. S.	214, 1—3.

Diploneis E.

Adonis (Brun)	174, 18—20.
— v. gibbosa Brun	174, 21.
— v. oamaruensis Cl.	174, 13.
adyena (A. S.)	8, 29, 12, 41.
— v. parca A. S.	8, 20—22.
— v. sansegana Grun.	8, 27.
aestiva (Donk.)	7, 10, 11, 8, 26, 31.
Apis (Donk.) u. Var.	12, 16—20, 22, 23, 25, 69, 41, 43, 44, cf. <i>D. cherson.</i> (Grun.).
binaria (A. S.)	12, 62.
D.? bioculata (Grun.)	7, 49? 70, 9—11.
bomboides (A. S.)	13, 36—38. cf. <i>D. Entomon</i> (E.).
— v. madagascarensis Cl.	69, 35.
— v. moesta A. S.	69, 18, 19.
Bombus E.	13, 4—9, 69, 28, 29, 174, 11.
— v. densestriata A. S.	13, 11, 12, 69, 30.
— v. egena A. S.	13, 10.
Campylodiscus (Grun.)	8, 9, 10, 12, 70, 64, 65.
chersonensis (Grun.)	12, 18—23, 25, 40, 69, 21, 174, 16.

Diploneis.

coarcta (A. S.)	11, 30—32. 69, 11. 174, 22.
coffeiformis (A. S. (v.))	8, 7.
— v. densestriata A. S.	70, 54.
— v. subcircularis A. S.	70, 53.
compar (Jan.)	70, 69.
confecta (A. S.)	12, 46.
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constricta (Grun.)	12, 63. 64.
contigua (A. S.)	8, 43.
— v. eudoxia A. S.	8, 40. 70, 71.
— v. eugenia A. S.	8, 44.
Crabro (E.)	(12, 71. 72.) 129, 17. 18.
— v. expleta A. S.	69, 7. 8.
— v. japonica A. S.	174, 4.
— v. limitanea A. S.	11, 23. 69, 14.
— v. minuta Cl.	12, 71.
— v. multicostata Grun.	11, 14—16. (17.) 18—20. 69, 1. 2. 174, 6. 7.
— v. nankooensis Grun.	69, 4.
— v. navigans Brun	174, 1.
— v. O'Mearii Grun.	174, 12?
— v. oranensis A. S.	69, 3.
— v. Pandura Bréb.	11, 1. 2. 4. 8. 9.
— v. perpusilla Cl.	12, 72.
— v. separabilis A. S.	11, 3. 5—7. 10. 17.
crabroniformis (Grun.)	11, 24.
Cynthia A. S.	8, 41.
— v. minuta Cl.	8, 28.
dalmatica (Grun.) (n. Var.?)	8, 58—60.
— v. Vulpecula A. S.	12, 56.
demta (A. S.)	69, 34.
didyma (E.) u. Verw.	13, 1—3. 69, 37—39.
Dirrhombus (A. S.)	11, 21. 22. 69, 9.
discrepans (A. S.)	8, 8.
divergens (A. S.)	12, 50. 51.
— v. digrediens A. S.	69, 26. 27.
elliptica (K.) u. Verw.	7, 27—32. 54. 55.
Entomon (E.)	13, 48. 49.
exemta (A. S.) (u. Var.?)	11, 28. 29. 69, 13. 40. cf. D. splend. v. Puella A. S.
expedita (A. S.)	69, 6.
fusca (Greg.)	
— v. delicata A. S.	7, 1. 7. 8.
— v. norvegica Cl.	7, 2. 3.
— v. pelagi A. S.	7, 25. 26.
— v. subrectangularis Cl.	7, 4.
futilis (A. S.)	13, 17.
gemma (Grev.)	
— v. fossilis Pant.	70, 74.
— v. minor Cl.	70, 73.
— v. pristiophora Jan.	70, 72.
gemmatula (Grun.)	
— v. Beyrichina A. S.	69, 16. 17.
— v. Grunowi Cl.	12, 61. 13, 20. 21. 37? 40?
— v. lacrimans A. S.	12, 59. 60. 174, 8.
Giebelli (A. S.)	12, 73.
Graeffei (Grun.)	7, 5. 6.
— f. minor	8, 33.

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Gruendleri (A. S.)	12, 35. 36.
Grunowi (Rbh.)	8, 38.
hyalina (Donk.)	70, 1—5.
interrupta (K.) u. Verw.	12, 3—6. 8—12. 69, 24. 25?
— zanzibarica Grun.	12, 1. 2.
Kuetzingi (Grun.)	13, 22—24.
laciniosa (A. S.)	12, 54.
lineata (Donk.)	7, 44. 69, 31. 70, 67.
litoralis (Donk.)	8, 23—25.
— v. Hospes A. S.	8, 32.
major Cl.	7, 18. 19. 21. 22. cf. D. Smithi Bréb.
Margarita (A. S.)	174, 17.
Mauleri (Brun) v. borussica Cl.	8, 17. 19.
mediterranea (Grun.)	8, 42.
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— v. Christiani Gasc.	193, 58.
munda Jan.	70, 70.
muscaeformis (Grun.)	
— v. constricta Grun.	12, 65. 69, 42.
— v. genuina Cl.	13, 42. 47.
— v. placida A. S.	174, 2.
nitescens (Greg.)	7, 37—41.
— v. serratula Grun.	7, 42. 43. 8, 11.
notabilis (Grev.)	
— f. genuina	8, 46—48.
— v. expleta A. S.	8, 49—52.
oblongella (Naeg.?)	7, 52.
O'Mearii (Grun.) (v. pusilla Cl.?)	174, 12. cf. D. Crabro v. O'Mearii Grun.
ornata (A. S.)	69, 5.
— v. spirifera A. S.	174, 25.
ovalis (Hilse)	7, 33—36.
— (f. angusta Grun.)	7, 36.
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Ovulum (Grun.)	70, 63.
Papula (A. S.)	7, 45—47.
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Schmidtii Cl.	12, 48. 13, 18. 19. 69, 23.
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S. Triceratium.

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 — v. ovata Grun. 10, 45, 46. = Cymb. ventr. v. ovata Grun.
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 Lunula (E.) Grun. 10, 42, 43, 71, 14, 15, 32—34. = Cymb. ventr. K.
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 paradoxum K. 10, 67—69. } = Cymb. prostr. Berk.
 prostratum Ralfs 10, 64—69, 71, 6, 7. }
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— v. rostrata M. S.	216, 15-18.	
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— v. lanceolata K.	236, 25-28. 237, 9. 10.	
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Pantocseki M. S.	233, 7. 8.

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Argonauta Gr. & Br.	172, 11.
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pedalis A. S.	149, 18.
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contabulatus A. S.	149, 19.
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Heliopelta Grun.

nitida Grev.	1, 7. = Actinoptychus nit. (Grev.) Grun.
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Hemiaulus (E.) Grun.

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H.? ambiguus Jan.	142, 16—24.
amplectens Grove & Sturt	143, 1—3.
antarcticus Weisse	144, 28—35.
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Polycystinorum E.	143, 23—29.
polymorphus Grun.	143, 11—13.
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Proteus Heib.	143, 30—34.
sibiricus Grun.	118, 8?
tenuicornis Grev.	143, 9. 10.
Weissei Grun.	143, 37—41.

Heterostephania E.

Rothi E.	57, 9? 10? = Coscinod. fascicul. A. S.
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Huttonia Grove & Sturt.

Labuani (Cl.) Grun.	115, 11. = Cerataulus Lab. Cl.
Reichardti Grun. (v.?)	116, 4.

Hyalodiscus E.

punctatus A. S.	139, 16.
pustulatus A. S.	140, 15.
reticulatus A. S.	140, 7.
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Hydrosera Wallich.

triqueta Wall.	78, 36—38.
— v.	94, 18? = <i>Triceratium javan.</i> Cl.

Isthmia Ag.

capensis Grun.	136, 4. 145, 4—8.	(Isthmiella Cl.).
enervis E. (u. Var.?)	136, 1. 3. 6. 7.	(Isthmiella).
Lindigiana Grun.	145, 1—3.	(Isthmiella).
minima Harw. & Bail.	145, 9.	(Isthmiella).
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Kittonia Grove & Sturt.

elaborata Grove & Sturt	116, 19. 20.
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Lampriscus Bail.

Kittoni A. S.	80, 11.
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Lauderia Cl.

annulata Cl.	180, 47.
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Lepidodiscus Witt.

elegans Witt	103, 5.
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Stella Brun	184, 8.

Libellus Cl.

constrictus (E.) De-Toni	26, 35—39. = <i>Stauroneis constr.</i> (E.) W. Sm.
complanatus (Grun.) De-Toni	26, 45. = <i>Navic. compl.</i> Grun.

Liostephania E.

Rotula E. v.	80, 9. 10.
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Lithodesmium E.

californicum Grun.	159, 11.
minusculum Grun.	151, 13—15. 173, 11.
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acutiuscula Grun.	187, 31?
affirmata Leud.-F.	188, 19. 31.
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— v. humerosa Brun	185, 13? 14?
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apiculata W. Sm.	185, 43. 186, 23. 187, 31?
Aquilegiae Grun.	187, 31?
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— v. Gilberti A. S.	187, 14. 15.
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baldjikiana Grun.	188, 1. 2.
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Mastogloia.

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bullata A. S.	186, 36. = M. erythraea Grun.
Castracanei Brun	188, 30.
chersonensis A. S.	186, 31. 32. (Cl. Syn. II. pg. 161).
Citrus Cl.	187, 16-19.
concinna A. S.	186, 9. = M. quinquecost. v. conc. A. S.
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— v. strigillata A. S.	177, 65—69. 178, 6.
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— v. Normani Arn.	182, 51.
— v. producta	180, 18.
— — f. californica A. S.	180, 19.
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abrupta Greg.	3, 1. 2. 129, 15.	
acrosphaeria Bréb.	43, 16. 22?	(Pinnularia).
— f. maxima	43, 14. 15.	
— f. minor	43, 23.	
— v. laevis Cl.	43, 18.	
— v. sandvicensis A. S.	43, 14. 15. = P. acrosph. f. max.	(Diploneis).
Adonis Brun	174, 18—20.	
— v. gibbosa Brun	174, 21.	
— v. oamaruensis Cl.	174, 13.	
advena A. S.	8, 29. 12, 41.	(Diploneis).
— v. parca A. S.	8, 20—22.	
— v. sansegana Grun.	8, 27.	
aestiva Donk.	7, 10. 11. 8, 26. 31.	(Diploneis).
affinis E.		(Neidium).
— v. amphirhynchus E.	49, 27. 30.	
— v. genuina Cl.		
— — f. maxima	49, 1.	
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alpina W. Sm.	45, 1—4.	(Pinnularia).
alternans Schum.	42, 22. 23. = P. vir. Nitzsch	(Pinnularia).
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— v. Digitus A. S.	26, 30.	
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amphigomphus E.	49, 9. 31—34.	(Neidium).
amphirhynchus E.	49, 27. 30. = N. affine v. amph. E.	(Neidium).
ampliata E.	49, 4. 5. = N. Iridis v. ampl. E.	(Neidium).
angustata W. Sm.	47, 23. 24.	
apiculata Bréb.	46, 56. 58.	
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Apis Grove & Sturt	174, 13. = D. Adonis v. oam. Cl. (Diploneis).
approximata Grev.	2, 12.
— v. Couperi Bail.	2, 10.
— v. Kittoniana A. S.	2, 20, 21.
— v. substauroneiformis Grun.	6, 13, 14.
arabica Grun.	47, 38–41. = N. lanceolata v. ar. Donk.
arenaria Donk.	(48, 2–6.) (Trachyneis).
aspera E.	48, 17, 18.
— v. contermina A. S.	48, 15, 21, 22.
— v. genuina Cl.	48, 14.
— v. intermedia Grun.	48, 1.
— v. Neumayeri Jan.	48, 16.
— v. oblonga Bail.	48, 12, 13.
— v. pulchella W. Sm.	48, 29.
— v. residua A. S.	48, 19, 20.
— v. Schmidiana Grun.	48, 2–6.
— v. vulgaris Cl.	2, 37.
australica A. S.	6, 26, 27. = N. grannulata Bail.
Baileyana Grun.	129, 5.
Barbitos A. S.	160, 9. = C. Powell v. Barth. Cl. (Caloneis).
Bartholomei Cl. v.	6, 1, 2. = N. humerosa Bréb.
bengalensis Grun.	69, 16, 17. = D. gemm. v. Beyr. A. S. (Diploneis).
Beyrichiana A. S.	49, 52, 53? = A. sphaer. v. bic. E. (Anomoeoneis).
biceps E.	45, 69, 70. = P. interr. v. bic. Greg. (Pinnularia).
biceps Greg.	50, 37. = C. Liber v. gen. Cl. (Caloneis).
bicuneata Grun.	212, 33. = N. concilians Cl.
bifissa A. S.	12, 62. (Diploneis).
binaria A. S.	7, 49? 70, 9–11. (Diploneis?).
bioculata Grun.	49, 15, 17. (Neidium).
bisulcata Lgst.	212, 15. (Caloneis).
blanda A. S.	212, 14.
— v.	50, 20–25. = C. Liber v. bic. Grun. (Caloneis).
Bleischi Jan.	44, 30–32. (Pinnularia).
bogotensis Grun.	49, 43–45. = A. polygr. E. (Anomoeoneis).
bohemia E. u. Verw.	47, 18?
Bolleana Grun.	13, 36–38. (Diploneis).
bomboides A. S.	69, 35.
— v. madagascarensis Cl.	69, 18, 19.
— v. moesta A. S.	13, 4–9, 69, 28, 29, 174, 11. (Diploneis).
Bombus E.	13, 11, 12, 69, 30.
— v. densestriata A. S.	13, 10.
— v. egena A. S.	45, 15–21. (Pinnularia).
borealis E.	71, 56–61. (Anomoeoneis?).
brachysira Bréb.	6, 19, 25, 31–33.
brasiliensis Grun.	45, 77, 78. (Pinnularia).
Brauni Grun.	44, 17, 18, 24–26. (Pinnularia).
Brebissoni K.	44, 19.
— v. notata Hér. & Per.	43, 26, 27. (Pinnularia).
brevicostata Cl.	43, 25.
— v. leptostauron Cl.	3, 8, 9. = N. Lyra v. ell. f. bull. Norm.
bullata Norm. u. Var.	129, 3. = N. Durandi v. interm. A. S.
— v. carinata Castr.	70, 51, 52. = N. spectabilis v. Moell. Jan.
— v. Moelleriana Jan.	129, 2. = N. Durandi v. rhomb. Castr.
— v. rhomboidea Castr.	3, 6? 15? 16. cf. N. Henedyi v. circums. Grun.
californica Grev. v.	3, 19. = N. Henedyi v. calif. Grev.
— v. campechiana Grun.	

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<i>Campylodiscus</i> Grun.	8, 9, 10, 12, 70, 64, 65.	(Diploneis).
<i>cancellata</i> Donk.	46, 29—34.	
— <i>v. Gregorii</i> Ralfs	46, 41, 42, 71, 72.	
— <i>v. retusa</i> Bréb.	46, 45, 46, 74, 75.	
<i>cardinalis</i> E.	44, 1, 2.	(Pinnularia).
<i>caribaea</i> Cl.	6, 10—12. = <i>N. maculata</i> <i>v. carib.</i> Cl.	
<i>caribaea</i> A. S.	2, 17, 70, 48. = <i>N. clavata</i> <i>v. carib.</i> A. S.	
<i>carinifera</i> Grun.	2, 1.	
— <i>f. minor</i>	2, 2.	
— <i>v. densius striata</i> A. S.	70, 42.	
<i>Castracanei</i> Grun.	212, 31.	(Caloneis).
— <i>v. Petitiana</i> Grun.	212, 26—29.	
<i>chersonensis</i> Grun.	12, 18—23, 25, 40, 69, 21, 174, 16.	(Diploneis).
<i>circumvallata</i> Cl.	212, 48.	(Cymatoneis)
<i>citrea</i> A. S.	49, 12.	(Neidium).
<i>clancula</i> A. S.	12, 33, 34. = <i>P. interr.</i> <i>v. cl.</i> A. S.	(Pinnularia).
<i>clavata</i> Greg.	70, 50, 129, 16.	
— <i>v. caribaea</i> A. S.	2, 17, 70, 48.	
— <i>v. elliptica</i>	3, 13.	
— <i>v. exsul</i> A. S.	2, 13.	
— <i>v. indica</i> Grev.	204, 12.	
— <i>v. proxima</i> Jan.	70, 49.	
<i>Clepsydra</i> Donk.	48, 7, 8, 38?	(Trachyneis).
— <i>v. scotica</i> A. S.	48, 9—11.	
<i>coarctata</i> A. S.	11, 30—32, 69, 11, 174, 22.	(Diploneis).
<i>coelata</i> (W. Arn.)	193, 53.	
<i>coffeiformis</i> A. S. <i>v.</i>	8, 7.	(Diploneis).
— <i>v. densestriata</i> A. S.	70, 54.	
— <i>v. subcircularis</i> A. S.	70, 53.	
<i>commutata</i> Grun.	45, 22—25, 35—37, <i>P. vir. v. com.</i> Gr.	(Pinnularia).
<i>compar</i> Jan.	70, 69.	(Diploneis).
<i>complanata</i> Grun.	26, 45.	
— <i>v. subinflata</i> Grun.	26, 48, 49.	
<i>compressicauda</i> A. S.	46, 62.	
<i>concilians</i> Cl.	212, 33.	
<i>confecta</i> A. S.	12, 46.	(Diploneis).
<i>congrua</i> Jan.	70, 66.	(Diploneis).
<i>connectens</i> Grun. <i>v.</i>	212, 34.	
<i>consors</i> A. S.	48, 24—27.	
<i>conspicua</i> A. S.	43, 10, 11.	(Pinnularia).
<i>constricta</i> Grun.	12, 63, 64.	(Diploneis).
	12, 65, 69, 42. = <i>D. muscaeif.</i> <i>v. constr.</i> Gr.	
<i>contermina</i> A. S.	48, 17, 18. = <i>T. aspera</i> <i>v. cont.</i> A. S.	(Trachyneis).
<i>contigua</i> A. S.	8, 43.	(Diploneis).
— <i>v. eudoxia</i> A. S.	8, 39, 40, 70, 71.	
— <i>v. eugenia</i> A. S.	8, 44.	
<i>contorta</i> Kitt.	212, 57, 58. = <i>N. Raeana</i> Castr.	
<i>contracta</i> Grun.	160, 13. = <i>C. gallap.</i> <i>v. contr.</i> Gr.	(Caloneis).
<i>copiosa</i> A. S.	129, 6.	
— <i>correpta</i> A. S.	160, 15. = <i>C. gallap.</i> <i>v. jap.</i> Cl.	(Caloneis).
<i>Couperi</i> Bail.	2, 13. = <i>N. approx.</i> <i>v. Coup.</i> Bail.	
<i>Crabro</i> E.	(12, 71, 72.) 129, 17, 18.	(Diploneis).
— <i>v. expleta</i> A. S.	69, 7, 8.	
— <i>v. japonica</i> A. S.	174, 4.	
— <i>v. limitanea</i> A. S.	11, 23, 69, 14.	
— <i>v. minuta</i> Cl.	12, 71.	

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Crabro v. multicostata Grun.	174, 6. 7. 11, 14—16. (17.) 18—20. 69, 1. 2.	
— v. nankooensis Grun.	69, 4.	
— v. navigans Brun.	174, 1.	
— v. O'Mearii Grun.	174, 12?	
— v. oranensis A. S.	69, 3.	
— v. Pandura Bréb.	11, 1. 2. 4 8. 9.	
— v. perpusilla Cl.	12, 72.	
— v. separabilis A. S.	11, 3. 5—7. 10. 17.	
crabroniformis Grun.	11, 24.	(Diploneis).
crucifera Grun.	46, 50—54.	
cuspidata K.	211, 32. 34—38.	
Cynthia A. S.	8, 41.	(Diploneis).
— v. minuta Cl.	8, 28.	
Dactylus E.	42, 1. 3. 4. 6.	(Pinnularia)
— v. dariana A. S.	42, 24. 25.	
— v. Demerarae Cl.	43, 29.	
dalmatica Grun. (u. Var.?)	8, 58—60.	(Diploneis).
— v. Vulpecula A. S.	12, 56.	
dariana A. S.	42, 24. 25. = P. Dact. v. dar. A. S.	(Pinnularia).
Debyi Leud.-F.	48, 39.	(Trachyneis).
decora Grove & Sturt	174, 27.	
decurrens E.	45, 29? 30? = P. subsol. Grun.	(Pinnularia).
delata A. S.	50, 30. = C. Liber v. excentr. Grun.	(Caloneis).
denta A. S.	69, 34.	(Diploneis).
dicephala W. Sm.	72, 29—33.	
dicephala E. v. stauroneiformis	44, 33?	
didyma E. u. Verw.	13, 1—3. 69, 37—39.	(Diploneis).
diffuens A. S.	2, 15.	
diffusa A. S.	2, 28.	
digrediens A. S.	69, 26. 27. = D. div. v. digr. A. S.	(Diploneis).
dilatata E.	49, 6.	(Neidium).
diplosticta Grun.	13, 25—30. 174, 10. = D. spl. v. d. Gr.	(Diploneis).
directa W. Sm.		
— v. genuina Cl.	47, 4. 5.	
— v. Incus Grun.	47, 7.	
— v. remota Grun.	47, 1. 2. 8. 9.	
Dirrhombus A. S.	11, 21. 22. 69, 9.	(Diploneis).
discrepans A. S.	8, 8.	(Diploneis).
disticha A. S.	212, 13.	
distans W. Sm.	46, 11—14.	
distenta A. S.	2, 14.	
divergens A. S.	12, 50. 51.	(Diploneis).
— v. digrediens A. S.	69, 26. 27.	
divergens W. Sm.	44, 9.	(Pinnularia).
— f. minor	44, 14. 42? = P. microstaur. E.	
— v. cuneata Grun.	44, 10. 11.	
— v. elliptica Grun.	44, 6. 7.	
— v. Schweinfurthi A. S.	44, 3? 4. 5.	
— v. sublinearis Cl.	44, 20. 23.	
Donkini A. S.	12, 63. 64. = D. constricta Grun.	(Diploneis).
dubia E.	49, 7. 8. 11. 24—26.	(Neidium).
Durandi Kitt.	129, 1.	
— v. rhomboidea Castr.	129, 2.	
— v. intermedia A. S.	129, 3.	
egena A. S.	160, 42. 43. 212, 1.	(Caloneis?).
elliptica K. u. Verw.	7, 27—32. 54. 55.	(Diploneis).

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elongata Grun.	50, 27-29. = C. Liber v. elong. Grun. (Caloneis).
Entomon E.	13, 48. 49. (Diploneis).
erythraea Grun.	6, 22? = N. punct. v. cluth. Greg.
Esoculus Schum. f. elongata	47, 33.
eudoxia A. S. u. Var.	8, 39. 40. 70, 71. = D. cont. v. end. (Diploneis).
eugenia A. S.	8, 44. = D. cont. v. eug. A. S. (Diploneis).
excavata Grev. v.	3, 22-25. = N. spect. v. emarg. Cl. 70, 46. = N. spect. v. Angel. Cl.
excentrica Grun. f. curta	50, 6. 7. = C. max. Greg. f. lanc. (Caloneis).
exempta A. S. (u. Var.?)	11, 28. 29. 69, 13. 40. cf. D. spl. v. P. A. S. (Diploneis).
eximia Grun.	212, 7. (Caloneis).
expedita A. S.	69, 6. (Diploneis).
expleta A. S.	69, 7. 8. = D. Crabro v. expl. A. S. (Diploneis).
exsul A. S.	2, 13. = N. clav. v. exs. A. S.
fallax Cl.	204, 16.
Fischeri A. S.	6, 38. = N. maculata Bail.
firma K.	49, 3. = N. Iridis E. (Neidium).
— v. tumescens Grun.	49, 10. = N. tumescens Grun.
— v. subampliata Grun.	49, 19. = N. affine E. v. gen. Cl. f. med.
— v. subundulata Grun.	49, 16.
Flamma A. S.	42, 27. 28. (Pinnularia).
Flammula A. S.	42, 26. (Pinnularia).
flanatica Grun.?	47, 30. = N. viridula v. rost. K.
forcipata Grev. (u. Var.?)	70, 17. 34.
— v. densestriata A. S.	70, 12-16. 32.
— v. minor A. S.	70, 32. = N. forcip. v. densestr. A. S.
— v. nummularia Grev.	70, 30. 31. 39. 40.
— v. versicolor Grun.	70, 18-22.
Formenterae Cl.	46, 7.
formicina Grun.	160, 38-41. 218, 8. (Caloneis).
formosa Greg.	50, 8-15. (Caloneis).
fortis Greg.	46, 37-39.
fraudulenta A. S.	70, 60.
fusca Greg.	(Diploneis).
— v. delicata A. S.	7, 1. 7. 8.
— v. norvegica Cl.	7, 2. 3.
— v. pelagi A. S.	7, 25. 26.
— v. subrectangularis Cl.	7, 4.
futilis A. S.	13, 17. (Diploneis).
galapagensis Cl.	(Caloneis).
— v. contracta Grun.	160, 13.
— v. japonica Cl.	160, 15. 16.
gemmata Grev.	(Diploneis).
— v. fossilis Pant.	70, 74.
— v. mediterranea Grun.	8, 42. = D. mediterr. Grun.
— v. minor Cl.	70, 73.
— v. pristiophora Jan.	70, 72.
— v. spectabilis Grun.	8, 38? }
— v. typica Cl.	8, 38? } = D. Grunowi Rbh.
gemmatula Grun.	(Diploneis).
— v. Beyrichiana A. S.	69, 16. 17.
— v. Grunowi Cl.	12, 61. 13, 20. 21. 37? 40?
— v. lacrimans A. S.	12, 59. 60. 174, 8.
genifera A. S.	2, 6.
gentilis Donk.	42, 2. (Pinnularia).
gibba E.	45, 46-51. cf. P. staur. Rbh. (Pinnularia).

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Giebeli A. S.	12, 73.	(Diploneis).
gigas E.	42, 1. 4. = P. Dact. E.	(Pinnularia).
glacialis Cl.	6, 39.	
— v. septentrionalis Cl.	6, 37.	
gracillima Greg. v.	45, 62? 63? cf. P. mesol. v. ang. Cl.	(Pinnularia).
Graeffei Grun.	7, 5. 6.	(Diploneis).
— f. minor	8, 33.	
granulata Bail.	6, 26. 27.	
granulata Bréb.	6, 15. 16. = N. monil. v. heterost. Cl.	
Gruendleri A. S.	12, 35. 36.	(Diploneis).
Grunowi Rbh.	8, 38.	(Diploneis).
— f. minor	70, 73. = D. gemmata v. min. Cl.	
guttata Grun.	46, 10.	
Haueri Grun.	212, 32.	
hemiptera K.	43, 28. 35—40. 45, 9.	(Pinnularia).
hemiptera aut. nec. K.	45, 22—25. 35—37. = P. vir. v. c. Gr.	(Pinnularia).
Hennedyi W. Sm.	3, 18. 129, 10.	
— v. bacillifera Pant.	129, 14.	
— v. cuneata A. S.	3, 4.	
— v. californica Grev.	3, 19.	
— v. circumsecta Grun.	3, 3. 6. 26—28.	
? v. controversa A. S.	3, 5. = N. spect. v. contr. A. S.	
— v. manca A. S.	3, 17.	
— v. minutula Cl.	212, 35—38.	
— v. nebulosa Greg.	3, 14. 70, 44.	
— v. Schleinitzi Jan.	70, 43.	
Heroina A. S.	43, 2. = P. major v. Heroina A. S.	(Pinnularia).
hexalpa A. S.	50, 50.	
Hilseana Jan.	45, 65. = P. subcap. Greg.	(Pinnularia)
	45, 73? 74? cf. P. linearis Greg.	
Hitchcocki E.	49, 35. 36.	(Neidium).
Hochstetteri Grun.	8, 53—55.	
Hospes A. S.	8, 32. = D. litor. v. Hospes A. S.	(Diploneis).
humerosa Bréb.	6, 1—5. 8.	
hyalina Donk.	70, 1—5.	(Diploneis).
impressa Grun.	6, 17. 18.	
impressa Lgst.	46, 31—34. = N. cancell. Donk.	
Incus Grun.	47, 7. = N. directa v. Incus Grun.	
indica Grev.	3, 7?	
inflexa Greg.	46, 69. 70.	
inhalata A. S.	2, 30.	
instabilis A. S. u. Var.	43, 35—40. = P. hemipt. K.	(Pinnularia).
integra Grun.	43, 19.	(Pinnularia).
integra W. Sm.	71, 64—66.	
intercedens A. S.	160, 3—5. cf. C. Musca Greg.	(Caloneis).
interlineata Grove & Sturt.	204, 11.	
interrupta K. u. Verw.	12, 3—6. 8—12. 69, 24. 25?	(Diploneis).
— v. zanzibarica Grun.	12, 1. 2.	
interrupta W. Sm.		(Pinnularia).
— f. biceps Greg.	45, 67. 69. 70.	
— f. stauroneiformis	45, 71. 72. 75. 76.	
— v. crassior Grun.	45, 79.	
— v. clancula A. S.	12, 33. 34.	
Iridis E.	49, 2. 3.	(Neidium).
— v. ampliata E.	49, 4. 5.	
irrorata Grev.	2, 22. 23.	

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irrorata v. mexicana Cl.	2, 19.	
jejuna A. S.	46, 76.	
kamorthensis Grun.	6, 8? = N. humerosa Bréb.	
kefvigensis E.	47, 61. 62. = N. peregrina v. kefv. E.	
Kittoniana A. S.	2, 10. = N. approx. v. Kitt. A. S.	
Kuetzingi Grun.	13, 22-24.	(Diploneis).
laciniosa A. S.	12, 54.	(Diploneis).
lacrimans A. S.	12, 59. 60. = D. gemmat. v. lacr. A. S.	(Diploneis).
lacustris Greg.?	6, 30. = N. scandinavica Lgst.	
lanceolata K.	47, 49.	
— v. arenaria Donk.	47, 38-41.	
— v. tenella A. S.	47, 45. 46.	
lata Bréb.	45, 5-8.	(Pinnularia).
latevittata Cl.	42, 5.	(Pinnularia).
— v. domingensis Cl.	43, 3.	
latissima Greg.	6, 7.	
— v. kamorthensis Grun.	6, 6?	
Legumen E.	44, 44-47.	(Pinnularia).
— v. florentina Grun.	44, 8.	
leptogongyla E.	45, 26-28. = P. vir. v. lept. (E.?) Gr.	(Pinnularia).
Liber W. Sm.		(Caloneis).
— v. bicineata Grun.	50, 22-25.	
— v. elongata Grun.	50, 27-29.	
— v. excentrica Grun.	50, 30.	
— v. genuina Cl.	50, 16-21. 37.	
— v. linearis Grun.	50, 38. 40.	
— v. umbilicata Grun.	50, 32. 33.	
limitanea A. S.	11, 23. 69, 14. = D. Crabro v. lim.	(Diploneis).
— v.	69, 12?	
linearis Greg.	45, 73? 74?	(Pinnularia).
linearis Grun.	50, 38. 40. = C. Liber v. lin. Grun.	(Caloneis).
lineata Donk.	7, 44. 69, 31. 70, 67.	(Diploneis).
litoralis Donk.	8, 23-25.	(Diploneis).
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— v. dilatata A. S.	2, 26.	
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Mauleri Brun		(Diploneis).
— v. borussica Cl.	8, 17. 19.	
maxima Greg.	50, 36. 37.	cf. C. Liber v. gen. Cl. (Caloneis).
— f. lanceolata	50, 6. 7.	
— v. umbilicata Grun.	50, 32. 33. = C. Liber v. umb. Grun.	
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mesolepta E.		(Pinnularia).
— v. angusta Cl.	45, 62.	
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mirabilis Leud.-F.	160, 6. = C. Musca v. mir. L.-F. (Caloneis).	
— f. intermedia Cl.	160, 7. 8. = C. Musca v. int. Cl.	
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Atlas der Diatomaceen - Kunde.

By Dr. Adolf Schmidt.

Volume 6-8

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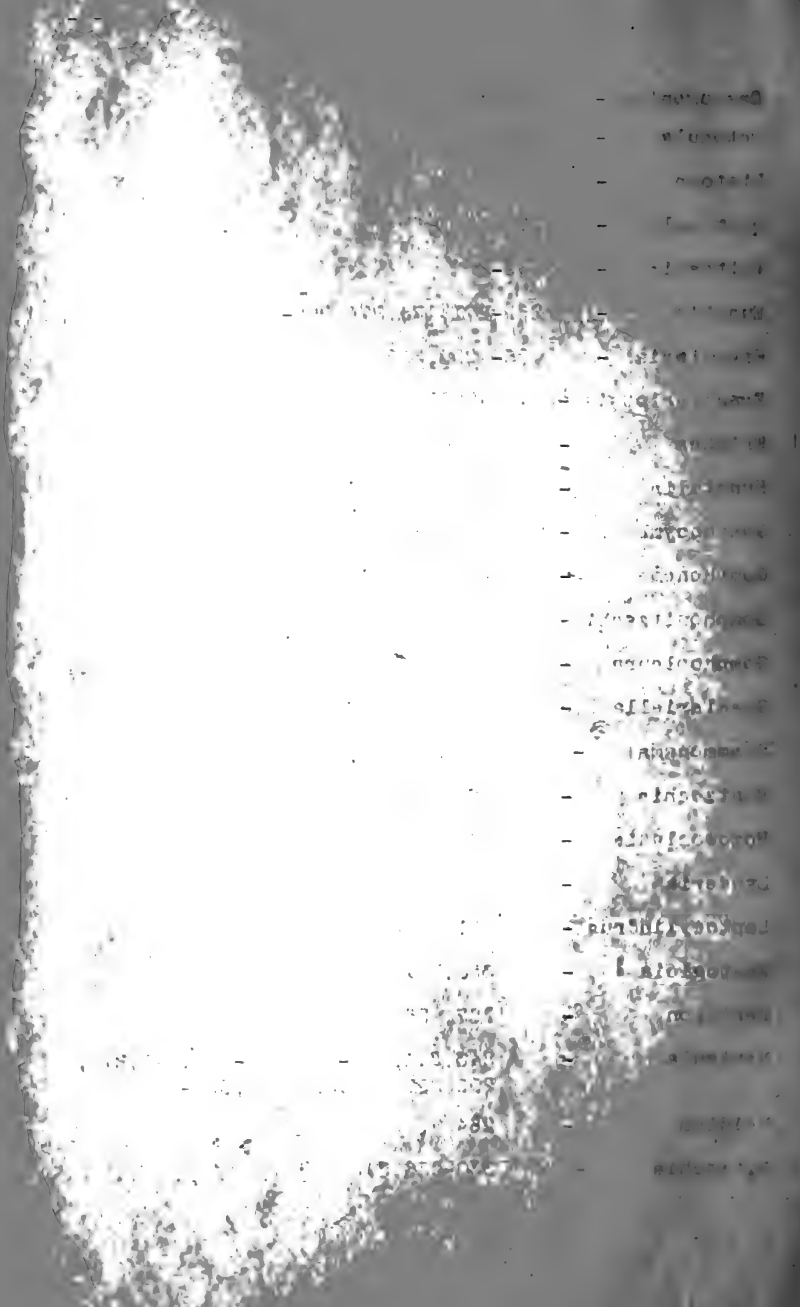
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